

UGOLEV, A.M.

Materials on the activity of salivary glands in rodents. Opyt izuch.  
reg.fiziol.funk. 4:173-183 '58. (MIRA 12:4)

1. Laboratoriya ekologicheskoy fiziologii (zaveduyushchiy - prof.  
A.D. Slonim) Instituta fiziologii imeni I.P. Pavlova AN SSSR i Kafedra  
normal'noy fiziologii (zaveduyushchiy - prof. A.D. Slonim) Kalinin-  
skogo meditsinskogo instituta.  
(RODENTS) (SALIVARY GLANDS)

AYRAPET'YANTS, E.Sh.; UGOLEV, A.M.

Materials on the physiology of the internal analyzer in man. Report No.5: Reflex influences from the bladder of man in a conscious state and in hypnosis. Trudy Inst. fiziol. 7:23-30 '58. (MIRA 12:3)

1. Laboratoriya interotseptivnykh uslovnykh refleksov (zav. - E. Sh. Ayrapet'yants Instituta fiziologii im. I.P. Pavlova AN SSSR.  
(BLADDER) (CEREBRAL CORTEX)

UGOLEV, A.M.

Phytolytic and zoolytic properties of gastric juice following prolonged and brief application of various diets [with summary in English]. Biul.eksp.biol. i med. 45 no.2:21-26 F'58, (MIRA 11:5)

1. Iz laboratorii obshchey fiziologii (zav. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR V .N. Chernigovskim.

(GASTRIC JUICE,  
vegetable & meat digesting properties in subjects fed various types of diets (Rus))

(DIETS,  
on gastric juice vegetable & meat digesting properties (Rus))

UGOLEV, A. M.

20-3-58/59

AUTHOR: Ugolev, A. M.

TITLE: On the Significance of Trypsin and Chymotrypsin in the Normal Activity of the Pancreas. (O znachenii tripsina i khimotripsina v normal'noy deyatel'nosti podzheludochnoy zhelezy).

PERIODICAL: Doklady AN SSSR, 1958, Vol. 118, Nr 3, pp. 618-620 (USSR).

ABSTRACT: The present paper was caused by a number of unsolved problems concerning the mutual relations of the two ferments mentioned above. After a review of literature (references 2 to 11) the author describes the methodology. The total proteolytic activity of the pancreatic juice and of crystalline preparatories of both ferments (modified according to reference 12) were examined for a complex of muscular proteins, for gluten and casein. The rennin activity was determined according to the method of Kunitz. By confronting the total proteolytic activity which depends on trypsin and on chymotrypsin with the rennin activity which is almost exclusively connected with chymotrypsin we can judge on the relation of the proteinases. Results: If we proceed from the conception of a strict parallelism in the secretion of both ferments we should expect

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that the increase or decrease of the total proteolytic activity is always accompanied by analogous changes of the rennin activity. This is by far not always the case. These two forms of activity are different not only as to the degree of their disarrangement but also as to their direction. So the secretion of trypsin and chymotrypsin is independent within certain limits. To put it more exactly: the secretion is not tied by an obligatory parallelism of the concentration of both proteinases. The conditions under which the proportion of trypsin or chymotrypsin in the secret is increased are not yet quite clear. Yet some things could be cleared. So the juice of dogs with a chronic fistula of the pancreas canal contained a higher proportion of chymotrypsin after bread feeding than after meat. In this last case the trypsin proportion was increased. The total proteolytic activity is a little higher in "bread" juice than in "meat" juice, but the chymase activity which depends on chymotrypsin is much higher. The author demonstrated previously (reference 13) that after bread feeding the juice is more active to vegetable proteins than to animal proteins. The pancreatic juice produced for meat cleft up the animal proteins more energetically than

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the vegetable proteins. It can be supposed from this that the regular changes of the trypsin chymotrypsin relation in the pancreatic juice depends on the adaption of the digestive system to the food quality. These statements also do not agree to the conception of strict parallelism in the secretion of pancreatic ferments, and rather affirm the idea of Pavlov of the adaptive dissociation of these ferments (reference 14). The changes of the relative proportion of trypsin and chymotrypsin in the pancreatic juice can be explained by the following fact: it is easier to activate the pancreatic juice of a dog after meat feeding than after bread feeding. But only certain variations can have an adaptive function with regard to trypsin and chymotrypsin. In tests with crystalline preparations the author stated that the trypsin chymotrypsin combination cleft more energetically vegetable and animal proteins than each singular ferment. Figure 1 shows that the hydrolytic effect is stronger compared to the muscular protein complex and to the gluten if first trypsin is added and then chymotrypsin. The mechanism of these differences remained obscure. As it seems we must regard trypsin as a protein of the first order, and chymotrypsin as one of the

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second order. There are 1 figure and 14 references, 7 of which  
are Slavic.

ASSOCIATION: Institute for Normal and Pathological Physiology  
Academy of Medical Sciences USSR (Institut normal'noy  
i patologicheskoy fiziologii Akademii meditsinskikh nauk  
SSSR).

PRESENTED: August 6, 1957, by K.M. Bykov, Academician

SUBMITTED: August 6, 1957

AVAILABLE: Library of Congress

Card 4/4

UGOLEV, A.M.

Denervated gastric pouch transplanted into the omentum. Biol. eksp.  
biol. i med. 48 no.10:100-102 O '59. (MIRA 13:2)

1. Iz laboratorii obshchey fiziologii (zav. - deystvitel'nyy chlen  
AMN SSSR V.N. Chernigovskiy) Instituta normal'noy i patologicheskoy  
fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy)  
AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR V.N.  
Chernigovskim.  
(STOMACH physiol.)



17(4)

SOV/20-126-2-62/64

AUTHORS: Ugolev, A. M., Chernigovskiy, V. N., Corresponding Member  
AS USSR

TITLE: On the Role of Interoceptors in the Formation of the Behavior  
of Animals  
(O roli interotseptorov v formirovanii povedeniya vysshikh  
zhivotnykh)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 2, pp 450-453  
(USSR)

ABSTRACT: The participation of the interoceptors mentioned in the title  
is one of the most discussed and least investigated problems  
of the higher nerve function (Refs 5-8, 13-15). All papers  
mentioned in the references deal, however, with obviously  
pathological shifts or with continuously abruptly changing  
nutrition conditions. Thus the problem of the effects of the  
interior on the behavior under normal conditions is still un-  
solved, like before. Healthy white rats were used as experimen-  
tal animals by the authors. Their cages were provided with  
special watering devices with different solutions which the  
animals could select: Ist series: I - glucose solution of  
40% in water; II - the same in 1% NaCl. Figure 1 shows that

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the animals preferred the solution with NaCl. If 1 ml physiological NaCl solution per 24 hours was introduced into the animals they preferred obviously glucose solution without salt (Table 1). Thus the nutrition behavior of the animals makes possible the restoration of the normal state of their interior. The problem which mechanisms analyze the interior arises if internal changes are signalled to the nervous system. The nutrition behavior of the rats was investigated in the case of the elimination of two reflexogenic zones which are connected with the digestive apparatus. The consumption of the glucose of 40% by rats was not changed after this operation. The distribution of the consumption in the course of day and night was, however, changed. Whereas not operated animals drank glucose rather regularly, the same animals drank after the operation approximately  $\frac{1}{3}$  during the first 12 hours, and  $\frac{2}{3}$  during the following 12 hours. The same conditions were found in satiated animals. Hungry animals with a nervus vagus which had been cut through under the diaphragm drank the major part of the glucose solution during the first 12 hours. This allows the conclusion that the removal of the afferent impulsation which is caused by the re-

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ceptors of the digestive tract changes the rhythm of the nutrition consumption. These receptors are apparently able to inhibit and also to increase the stimulating effect of the nutrition (pishchevaya vozbudimost'). This is well in line with the most recent electrophysiological investigations (Refs 3, 9, 11). Only the rhythm of the glucose is changed not its consumption level. Quite different changes were caused by the removal of the carotide glomus on both sides: the glucose solution of 40% was used to a reduced extent, whereas that of 8%, and water were consumed to an increased extent. This occurred immediately after the operation and lasted for 2-3 months. In consequence of this it is assumed that the carotide glomus plays a considerable role in the regulation of the reactions which guarantee the absorption of water and of nutritive substances from outside by the organism. The investigations are to be continued. There are 2 figures, 1 table, and 15 references, 8 of which are Soviet.

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On the Role of Interoceptors in the Formation of the Behavior of Animals

ASSOCIATION: Institut normal'noy i patologicheskoy fiziologii Akademii  
meditsinskikh nauk SSSR  
(Institute of Normal and Pathological Physiology of the  
Academy of Medical Sciences, USSR)

SUBMITTED: March 5, 1959

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17 (1)

**AUTHORS:**

Kassil', V. G., Ugolev, A. M.,  
Chernigovskiy, V. N., Corresponding  
Member AS USSR

SOV/20-126-3-65/69

**TITLE:**

Gastric Reception and Control of Food Behaviour in Dogs  
(Retseptsiya zheludka i regulyatsiya pishchevogo povedeniya  
u sobak)

**PERIODICAL:**

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 3, pp 692 - 695  
(USSR)

**ABSTRACT:**

The statement that an excess or lack of different substances in the inner part of the organism is able to influence specifically such a complicated behaviour reaction as the food selection is based upon the hitherto collected facts. The investigation of the mechanisms which secure such influences is in this connection very necessary. The osmoreception and possibly the reception of other blood components is caused by the carotid nodules (karotidnyye klubochki) according to several present observations. It is, however, as well possible that a chemical analysis of the substances introduced into the organism occurs already earlier in the bowel before they are absorbed by the blood (Refs 1, 3-5). The authors tried to explain in

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this connection the possibility of specifically reflex influences of the intestine interoceptors of higher animals on their food behaviour. Approximately 250 experiments were carried out with 8 dogs which had gastric fistulas. A soundproof chamber or an isolated room served this purpose. 15 ml solution with an equal quantity of milk, however, with different sodium chloride concentrations were offered to the dogs in 4-8 containers. A cover was removed from the food containers before each experiment so that the dog could choose the milk-salt solutions. The taken solutions flowed out again through the gastric fistula which was opened during this interval. The stomach was rinsed with warm water after each experiment. First a salt concentration was detected above which the dogs refused the solutions. Only dogs were chosen in the case of which this maximum concentration remained constantly on the same level. NaCl, glucose, et al. were introduced into the stomach by the fistula. Already after the first experiments it became obvious that the food reaction changes after the introduction of 300 - 500 ml hypertonic NaCl solution (3-5%). In 2 - 3 cases the dogs refused the most concentrated NaCl solutions in milk (Fig

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1). Sometimes the reaction was so distinctly marked that the dogs drank pure milk. The selection reaction was changed in almost all experiments in which a NaCl solution of 5 or 3% had been introduced into the stomach by the fistula. The reaction occurred after only 3-5 minutes, sometimes 15-20 minutes and more. The above mentioned reaction could be stopped neither by filling the stomach with 300-500 ml water nor by expansion by means of an introduced balloon. The change in the reaction vanished, however, after repeated experiments with water filling or expansion by means of a balloon. The mentioned phenomena are of reflex nature. Figure 2 shows that the introduction of 300-500 ml glucose- or saccharose solution does not influence the selection of milk-salt solutions. The change in the selection is realized under the participation of afferent systems of the nervus vagus, although also other centripetal ways play a certain rôle (in line with reference 2). There are 2 figures and 5 references, 3 of which are Soviet.

SUBMITTED: March 5, 1959  
Card 3/3

UGOLEV, A.M.

Results of total duodenectomy and its general hormonal  
effects. Dokl.AN SSSR 133 no.4:988-991 Ag '60.  
(MIRA 13:7)

1. Institut normal'noy i patologicheskoy fiziologii Akademii  
meditsinskikh nauk SSSR. Predstavleno akademikom N.N.Anichkovym.  
(DUODENUM)



UGOLEV, A.M.

Specific and individual adaptations of digestive glands. Izv.  
AN SSSR. Ser. biol. no.5:768-774 8-0 '60. (MIRA 13:9)

1. Institute of Normal and Pathological Physiology, Academy of Medical  
Sciences of the U.S.S.R., Moscow.  
(DIGESTIVE ENZYMES) (ADAPTATION (BIOLOGY))

UGOLEV, A.M.

Effect of duodenal extracts on the general appetite. Dokl.AN SSSR  
no.5:1251-1254 Ag '60. (MIRA 13:8)

1. Institut normal'noy i patologicheskoy fiziologii Akademii  
meditsinskikh nauk SSSR. Predstavleno akademikom N.N.Anichkovym.  
(APPETITE)  
(DUODENUM)  
(TISSUE EXTRACTS)

UGOLEV, A.M.

Existence of parietal (contact) digestion. Biul. eksp. biol. i med.  
49 no.1:12-17 Ja '60. (MIRA 13:7)

1. Iz laboratorii obshchey fiziologii (zav. - deystvitel'nyy chlen  
AMN SSSR V.N. Chernigovskiy) Instituta normal'noy i patologicheskoy  
fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy)  
AMN SSSR, Moskva. Predstavlena deystv. chlenom AMN SSSR V.N. Chernigovskim.  
(DIGESTION)

MARKELOVA, V.F.; UGOLEV, A.M.

Participation of carotid chemoreceptors in the regulation of the  
blood sugar level. Biul. eksp.bio. i med. 50 no.9:24-28 S '60.  
(MIRA 13:11)

1. Iz laboratorii obshchey fiziologii (rukovoditel' - deystvitel'nyy  
chlen AMN SSSR V.N. Chernigovskiy Instituta normal'noy i patologiche-  
skoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.N.  
Chernigovskiy) AMN SSSR, Moskva.  
(BLOOD SUGAR) (CAROTID BODY--INNERVATION)

UGOLEV, Aleksandr Mikhaylovich, doktor med. nauk; CHERKASOVA, V.I.,  
red. izd-va; YEZHOVA, L.L., tekhn. red.

[Digestion and its adaptive evolution] Pishchevarenie i ego  
prisposobitel'naya evoliutsiya. Moskva, Gos.izd-vo "Vys-  
shaia shkola, " 1961. 305 p. (MIRA 15:2)  
(DIGESTION)

UGOLEV, A.M.; KASSIL', V.G. (Moskva)

Physiology of appetite, Usp.sovr.biol. 51 no.3:352-368 My-Je '61.  
(MIRA 14:6)

(APPETITE)

UGOLEV, A.M.

Materials on parietal digestion. Report No.3: Comparison of enzymatic hydrolysis of starch in intestine and in vitro. Biul. eksp. biol. i med. 52 no.8:8-12 Ag '61. (MIRA 15:1)

1. Iz laboratorii obshchey fiziologii (zav. - akademik V.N.Chernigovskiy) Instituta normal'noy i patologicheskoy fiziologii (zav. - deystvitel'nyy chlen AMN SSSR V.V.Parin) AMN SSSR, Moskva. Predstavlena akademikom V.N.Chernigovskim.  
(DIGESTIVE ENZYMES) (STARCH) (INTESTINE)

UGOLEV, A.M.; CHULKOVA, T.M.

Phytolytic and zoolytic activity of the amylase in the blood  
in experimental ethionine pancreatitis. Biul. eksp. biol.  
i med. 52 no.9:45-50 S '61. (MIRA 15:6)

1. Iz laboratorii obshchey fiziologii (zav. - akademik  
V.N. Chernigovskiy) Instituta normal'noy i patologicheskoy  
fiziologii (direktor - deystvitel'nyy chlen AMN SSSR V.V. Parin)  
AMN SSSR, Moskva. Predstavlena akademikom V.N. Chernigovskim.  
(AMYLASE) (PANCREAS--DISEASES)  
(BLOOD) (ETHIONINE--PHYSIOLOGICAL EFFECT)



ZOTIKOV, Ye.A.; UGOLEV, A.M.

Changes in the antigenic type properties of human erythrocytes  
due to the effect of some proteolytic enzymes. Biul. eksp. biol.  
i med. 52 no.12:69-71 D '61. (MIRA 14:12)

1. Iz laboratorii biologii antigenov (zav. - kand.med.nauk M.M.  
Kapichnikov) Instituta eksperimental'noy biologii (dir. - prof.  
I.N. Mayakiy) AMN SSSR i laboratorii obshchey fiziologii (zav. -  
akademik V.N.Chernigovskiy) Instituta normal'noy i patologicheskoy  
fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.V.Farin) AMN  
SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR N.H.  
Zhukovym-Verezhnikovym. (PROTEASE) (BLOOD GROUPS)

UGOLEV, A.M.

"Paramural (contact) digestion."

Report submitted, but not presented at the 22nd International  
Congress of Physiological Sciences.  
Leiden, the Netherlands 10-17 Sep 1962

CHERNIGOVSKIY, V.N., ARKIND, M.V., KASSIL, V.G., UGOLEV, A.M.

"Interception and alimentary behaviour of the animal."

Report submitted, but not presented at the 22nd International  
Congress of Physiological Sciences.  
Leiden, the Netherlands 10-17 Sep 1962

UGOLEV, A.M.

Preliminary data on the nature of duodenal "hormones" of  
general action. Dokl. AN SSSR 142 no.2:491-492 Ja '62.  
(MIRA 15:2)

1. Institut fiziologii im. I.P. Pavlova AN SSSR.  
Predstavleno akademikom V.N.Chernigovskim.  
(DUODENUM)  
(HORMONES)

ARKIND, M.V.; KASSIL' V.G.; UGOLEV, A.M.

Regulation of the water and salt apperites. Trudy Inst. norm. i  
pat. fiziol. AMN SSSR 6:146-149 '62 (MIRA 17:1)

1. Laboratoriya obskshy fiziologii ( zav. - akademik V.N.  
Chernigovskiy) Instituta normal'noy i patologicheskoy fiziolo-  
gii AMN SSSR.

UGOLEV, Aleksandr Mikhaylovich; CHERNIGOVSKIY, V.N., akademik, otv. red.;  
NATAROVA, N.V., red. izd-va; GALIGANOVA, L.M., tekhn. red.

[Parietal (contact) digestion] Pristenochnoe (kontaktnoe) pi-  
shchevarenie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 169 p.  
(MIRA 16:1)

(DIGESTION) (ABSORPTION (PHYSIOLOGY))

IYEZUITOVA, N.N.; UGOLEV, A.M.; FEDYUSHINA, I.N.

Effect of the perfusion rate on the cavitary and parietal  
hydrolysis of starch and sucrose. Dokl.AN SSSR 149 no.3:746-  
749 Mr '63. (MIRA 16:4)

1. Institut fiziologii im. I.P.Pavlova AN SSSR. Predstavleno  
akademikom V.N.Chernigovskim.  
(DIGESTION) (SUCROSE) (STARCH)

KRIVORUCHENKO, I.V.; UGOLEV, A.M.; SHERSTOBITOV, O.Ye.

Effect of total removal of the duodenum on blood lipids. Dokl.  
AN SSSR 149 no.5:1225-1228 Ap '63. (MIRA 16:5)

1. Institut fiziologii im. I.P.Pavlova AN SSSR. Predstavleno  
akademikom V.N.Chernigovskim.  
(DUODENUM) (LIPID METABOLISM)



IYEZUITOVA, N.N.; TIMOFEYeva, N.M.; KOLDOVSKIY, O.K.; NURKS, Ya.Ya.;  
UGOLEV, A.M.

Postnatal development of the enzymatic activity of the sur-  
face of the small intestine in rats (invertase, peptidase,  
lipase). Dokl. AN SSSR 154 no.4:990-993 F '64.  
(MIRA 17:3)

1. Institut fiziologii im. I.P. Pavlova AN SSSR. Predstav-  
leno akademikom A.I. Oparinyam.

UGOLEV, A.M.; MARAUSKA, M.K.

Data on the physiology of parietal digestion. Comparison of starch hydrolysis in the intestine and in vitro by spectrophotometry on iodine and starch complexes. Biul. eksp. biol. i med. 57 no.4:16-20 Ap '64.  
(MIRA 18:3)

1. Laboratoriya obshchey fiziologii (zav. - akademik V.N. Chernigovskiy) i laboratoriya fiziologii pitaniya (zav. - doktor med. nauk A.M. Ugolev) Instituta fiziologii imeni Pavlova (dir. - akademik V.N. Chernigovskiy) AN SSSR, Leningrad.

UGOLEV, A.M.; SALENIYETSE, I.K.

Digestive function of the intestinal surface in rabbits during their first weeks of life. Biul.eksp.biol.i med. 58 no.7:15-18 J1 '64. (MIRA 18:2)

1. Laboratoriya obshchey fiziologii i laboratoriya fiziologii pitaniya Instituta fiziologii imeni Pavlova (dir. - akademik V.N.Chernigovskiy) AMN SSSR, Leningrad. Submitted April 12, 1963.

IYEZUITOVA, N.N.; DE LAEY, P. [De Laey, Pierre], doktor; UGOLEV, A.M.

Analysis of the localization of invertase in the cells of the small intestine by comparing the concentrations of hydrolysis products in intra- and extracellular liquids. Dokl. AN SSSR 159 no.5:1191-1193 D '64 (MJRA 18:1)

1. Laboratoriya fiziologii pitaniya Instituta fiziologii im. I.P.Pavlova AN SSSR. 2. Gentskiy universitet, Bel'giya (for De Laey). Predstavleno akademikom V.N. Chernigovskim.

UGOLEV, A.M.; DAVYCHINA, G.M.

Changes in the appetite for water, glucose, sodium and potassium  
in rats following inhibition of sodium pump by administration  
strophantidin K. Dokl. AN SSSR 165 no.5:1411-1414, 1974. D 164.  
(MIRA 1974)

1. Institut Fiziologii im. I.P.Pavlova AN SSSR. Submitted  
January 18, 1975.

L 27608-66 EWT(m)

ACC NR: AP6018420

SOURCE CODE: UR/0020/66/166/002/0472/0475

AUTHOR: Ugolov, A. M.; Iyezuitova, N. N.; Nadirova, T. Ya.; Timofeyova, N. M. 31  
29  
B

ORG: Institute of Physiology im. I. P. Pavlov, AN SSSR (Institut fiziologii AN SSSR)

TITLE: Digestive functions of intestinal epithelium in connection with serious radiation injuries 19

SOURCE: AN SSSR. Doklady, v. 166, no. 2, 1966, 472-475

TOPIC TAGS: radiation injury, digestive system, radiation biologic effect, pathogenesis, enzyme, polysaccharide, hydrolysis

ABSTRACT: The authors determined the enzymatic activity of the surface of the intestine, intestinal homogenates and the contents of the intestine in irradiated rats (1,150 r.). Invertase, peptidase and amylolytic activity in control animals and in rats 4, 24, 48, and 72 hours after irradiation was studied. The results led the authors to suppose that defects in digestion near the wall of the intestine are significant in the pathogenesis of the disturbances resulting from severe radiation injuries. The almost complete suppression of invertase activity in homogenates and intact intestinal sections indicates that not only synthesis but also translocation of this enzyme to the surface of the cell is disrupted. In the case of dipeptidases, it is the latter process which is mostly affected, since there is no important

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UDC: 612.33+616.001.28 2

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ACC NR:AP6018420

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change in the store of the enzymes in intestinal cells. The level of amylolytic activity of the contents of the intestine was considerably higher than normal which indicates that digestion in the intestinal cavity is less affected than digestion along the wall. But in spite of the high content of amylase in the intestine, its activity on the surface was almost nil. This weakening of the processes of adsorption of pancreatic enzymes by intestinal cells must result in a disruption of hydrolysis of polysaccharides along the wall. The paper was presented by Academician V. N. Chernigovskiy on 6 March 1965. The authors thank O. V. Malinovskiy and O. V. Ivanov for their valuable advice and assistance. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 06 / SUEN DATE: 25Jan65 / ORIG REF: 001 / OTH REF: 009

Card 2/2 CC

UGOLEV, B.M.

Method of measuring internal stresses in wood during air drying.  
Zav.lab. 21 no.10:1224-1229 '55. (MLRA 9:1)

1.TSentral'nyy nauchno-issledovatel'skiy institut mekhanicheskoy  
obrabotki drevesiny.  
(Lumber--drying)



1. UGOLEV, B. N.
2. USSR (600)
4. Lumber
7. Residual stresses in lumber and methods of eliminating them. Der. i  
lesokhim. prom. 2, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

B. UGOLEV

"Tension in lumber and how to remove it. Tr. from the Russian." Page 95 (ANALELE ROMAN O-SOVIETICE. SERIA SILVICULTURA-INDUSTRIA LEMNULUI SI A MARILOR, Series a I.-a, v. 7, no. 3, May/June 1953, Bucuresti.)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 10. .  
Oct. 1953, Incl.

UGOLEV, B.N. kandidat tekhnicheskikh nauk.

Analyzing stresses in wood during the drying process. Der. prom.  
6. no. 4:8-11 Ap. '57. (MLBA 10:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut mekhanicheskoy  
obrabotki drevesiny.  
(Lumber--Drying) (Strains and stresses)

UGOLEV, B.N., kandidat tekhnicheskikh nauk.

Analyzing stresses in wood in the process of drying. Der. prem. 6 no.5:  
10-12 My '57. (MIRA 10:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut mekhanicheskoy  
obrabotki drevesiny. (Lumber--Drying) (Strains and stresses)

UGOLEV, B.N.

Method of determining drying stresses in wood. Zav. lab. 23 no.5:  
606-609 '57. (MLRA 10:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut mekhanicheskoy  
obrabotki drevesiny.  
(Wood--Moisture) (Strains and stresses--Measurement)

UGOLEV, B.N., kand. tekhn. nauk

"Wood research" by L.M.Perelygin. Reviewed by B.N.Ugolev. Der.  
prom. 7 no. 6:25-26 Je '58. (MIRA 11:8)  
(Wood research)  
(Perelygin, L.M.)

UGOLEV, Boris Naumovich, kand.tekhn.nauk; SERGOVSKIY, P.S., prof., red.;  
FEDOROV, B.M., red.izd-va; BRATIASKO, L.V., tekhn.red.

[Internal stresses in wood during its drying] Vnutrennie  
napriazheniia v drevesine pri ee suшке. Moskva, Goslesbum-  
izdat, 1959. 113 p. (MIRA 13:8)  
(Lumber--Drying)

UGOLEV, B.N., kand. tekhn. nauk; SHTEYNBERG, S.Ye., inzh.

Internal stresses in wood caused by high-temperature drying  
in petrolatum. Der. prom. 8 no.7:11-13 JI '59.

(MIRA 12:9)

1. Moskovskiy lesotekhnicheskii institut (for Ugelev)  
(Lumber--Drying)



UGOLEV, B.N., kand.tekhn.nauk

Piezoelectric properties of wood. Der.prom. 9 no.8:27 Ag '60.  
(MIRA 13:8)

1. Moskovskiy lesotekhnicheskiy institut.  
(Wood--Electric properties)

UGOLEV, B.N., kand.tekhn.nauk

Heat-resistant elastic moisture-proof coating for wood. Der.prom.  
9 no.10:9-10 0 '60. (MIRA 13:10)

1. Moskovskiy lesotekhnicheskij institut.  
(Wood--Preservation) (Protective coatings)

FREYDIN, Anatoliy Semenovich; UGOLEV, B.N., red.; AZAROVA, V.G., red.  
izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Effect of ionizing radiation on wood and its components] Dei-  
stvie ioniziruiushchei radiatsii na drevesinu i ee kom-  
ponenty. Moskva, Goslesbumizdat, 1961. 118 p.

(MIRA 14:9)

(Wood—Chemistry) (Radiation)

S/081/61/000/019/080/085  
B103/B147

AUTHOR: Ugolev, B. N.

TITLE: Heat-resistant, elastic, moisture-insulating coating for timber

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 512, abstract  
19P241 (Derevoobrabat. prom-st', no. 10, 1960, 9-10)

TEXT: The formulas for a new composition of a coating was elaborated. The coating is mainly intended for the end planes of sawn timber and is to be applied before the transport to the drying plant. Further, it serves for insulating the timber surface from moisture when studying some timber properties. Approximate composition (in %): phenol formaldehyde resin 29 (coefficient  $n = 4500$ ), Petrov contact 14 (acid number  $a = 94$ ), powdery petroleum-, coal-tar-, or wood pitch (softening point  $90-120^{\circ}\text{C}$ ) 43, and kaolin 14. If resin and contact with other  $n$  and a characteristics are used, their percentage is calculated as follows: for resin:  $4300 a / (100 a + n)$ ; for contact:  $43 n / (100 a + n)$ . The preparation can be applied to timber by means of a spatula; the coating does not flow off at  $\leq 130^{\circ}\text{C}$ , has a high mechanical strength (resistant to the vapor pressure

Card 1/2

Heat-resistant, elastic, ...

S/081/61/000/019/080/085  
B103/B147

of the moisture escaping during drying), and elastic (no cracking when the timber dries. [Abstracter's note: Complete translation.]

Card 2/2

UGOLEV, B.N., kand.tekhn.nauk

New data on the physical properties of wood. Dsr.prom. 10 no.5:  
26 My '61. (MIRA 14:5)

1. Moskovskiy lesotekhnicheskii institut.  
(Wood)

UGOLEV, B.N.

Study of the rheological properties of wood of variable moisture  
content. Zav.lab. 27 no.2:199-203 '61. (MIRA 14:3)

1. Moskovskiy lesotekhnicheskii institut.  
(Wood--Testing)

IVANOV, Aleksandr Ivanovich; UGOLEV, B.N., kand. tekhn. nauk, red.;  
LEBEDEVA, I.D., red. izd-va; KARLOVA, G.P., tekhn. red.

[Machines and apparatus for the mechanical testing of wood  
and wooden materials] Mashiny i pribory dlia mekhanicheskikh  
ispytanii drevesiny i drevesnykh materialov. Moskva, Gos-  
lesbumizdat, 1962. 108 p. (MIRA 16:3)  
(Wood--Testing)



GORSHIN, S.N.; UGOLEV, B.N.

Investigating the correlation between the thickness of layers and  
the width of interspaces in air drying of lumber. Nauch. trudy  
TSNIIMOD no.12:46-61 '62. (MIRA 16:12)

UGOLEV, B.N.; MIKHAYLICHENKO, A.L.

Effect of the transverse force on the value of the modulus of  
elasticity of wood in connection with static bending testing.  
Der.prom. 11 no.10:13-15 0 '62. (MIRA 15:9)

1. Moskovskiy lesotekhnicheskii institut.  
(Wood--Testing) (Elasticity)

UGOLEV, B. N., kand. tekhn. nauk

Determining the rheological indices of wood. Der. prom. 12  
no.2:17-19 F '63. (MIRA 16:4)

1. Moskovskiy lesotekhnicheskii institut.

(Wood--Testing)

UGOLEV, B.N., kand.tekhn.nauk; PIMENOVA, V.I., inzh.

Studying the effect of temperature and moisture on the indices of  
the rheological properties of birch wood. Der. prom. 12 no.6:  
10-12 Je '63. (MIRA 16:10)

1. Moskovskiy lesotekhnicheskii institut.

PERELYGIN, Leonid Mikhaylovich, prof.[deceased]; UGOLEV, B.N., dots.;

[Study of wood] Drevesinovedenie. Izd.3., perer. i dop.  
Moskva, Goslesbumizdat, 1963. 283 p. (MIRA 18:4)

1. Moskovskiy lesotekhnicheskii institut (for Ugolev).

UGOLEV, Boris Naumovich, dots., kand. tekhn. nauk; BAZHENOV, V.A.,  
prof., doktor tekhn.nauk, retsenzent; SERGOVSKIY, P.S.,  
red.

[Testing wood and wood materials] Ispytaniia drevesiny i dre-  
vesnykh materialov. Moskva, Lesnaya promyshl., 1965. 250 p.  
(MIRA 18:4)

UGOLEV, Vladimir Semenovich; MUSINOV, Vladimir Ivanovich; GEYMAN, M.A.,  
red.; DUBROVINA, N.D., vedushchiy red.; POLOSINA, A.S.,  
tekhn.red.

[Thermal recovery of petroleum] Termicheskie metody v dobyche  
nefti. Pod red. M.A.Geimana. Moskva, Gos.nauchno-tekhn.izd-vo  
neft. i gorno-toplivnoi lit-ry, 1959. 106 p. (MIRA 12:6)  
(Oil fields--Production methods)

GEYMAN, M.A.; GADIYEV, S.M.; UGOLEV, V.S.

Physical modeling of a deep well pump drive. Izv. vys. ucheb.  
zav.; neft' i gaz 3 no.12:43-49 '60. (MIRA 14:10)

1. Vsesoyuznyy zaochnyy politekhnicheskii institut.  
(Oil well pumps--Models)



GEYMAN, M.A.; UGOLEV, V.S.; SHENAYEVA, V.I.

Increasing oil recovery by deep freezing of well bottoms. Neft.  
khoz. 39 no.7:34-38 J1 '61. (MIRA 14:6)  
(Oil fields--Production methods)

GEYMAN, M.A.; UGOLEV, V.S.; KALYAYEV, V.A.; YEVDOKIMOV, P.A.; IVANOVSKIY, G.I.

Increasing the effectiveness of oil well acidization by using  
dry ice. Nefteprom. delo no.1:17-19 '64. (MIRA 17:4)

1. Institut nefti AN SSSR i Institut geologii i razrabotki  
goryuchikh iskopayemykh AN SSSR.

AMIYAN, V.A.; MUSINOV, V.I.; UGOLEV, V.S.; MURADYAN, I.M.

Drilling in producing strata. Neft. khoz. 42 no.6:35-41  
Je '64. (MIRA 17:8)

AMIYAN, V.A.; VASIL'YEVA, N.P.; MUSINOV, V.I.; MURADYAN, I.M.; UGOLEV, V.S.

Physical and physicochemical fundamentals of sand-plug  
flushing in oil wells using foam. Neft. khoz. 43 no.3:  
63-66 Mr '65. (MIRA 18:6)

AMIYAN, V.A.; UGOLEV, V.S.; MUSINOV, V.I.; TITKOVA, A.D.; KALIZAYEV, V.A.

Method for treating the bottom zones of wells using aerated  
acid with surfactant additives. Neftprom. delo no.3:3-8 '65.  
(MIRA 18:10)

1. Institut geologii i razrabotki goryuchikh iskopayemykh,  
Moskva.

112 111-111 111

... of ...  
... very  
little adenylic acid and monophosphate ester of C compounds  
were found in I and II. D. M. Chert

GUBERNIYEV, M.A.; UGOLEVA, N.A.

Composition of desoxyribonucleic acid in the 209-P staphylococci,  
sensitive and resistant to certain antibiotics. Dokl.AN  
SSSR 133 no.2:466-468 J1 '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.  
Predstavleno akademikom M.M.Shemyakinym.  
(STAPHYLOGOCOCCUS AUREUS)  
(DESOXYRIBONUCLEIC ACID)

UGOLEVA, N.A., HESKINA, S.R., LAVRUSHENKO, V.A.

"Biochemical and histochemical studies of nuclei acids in chick embryo chorioallantoic membrane infected with Sendai virus.

Report submitted to the Intl. Congress for Microbiology  
Montreal, Canada 19-25 Aug 1962



UGOLEVA, N.A.; BESKINA, S.R.; CHEBURKINA, N.V.; NOSACHEVA, A.D.; SLAVKO, T.D.

Study of the infectivity of RNA isolated from tissue infected by Sendai virus. Vop. virus. 9 no.2:184-188 Mr-Ap '64. (MIRA 17:12)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

UGOLEVA, N.A.; FEREZINA, O.N.; NOSACHEVA, A.D.; SOKOLOV, M.I.; PETERSON, O.P.

Ribonucleic acid polymerase activity induced by NDV virus (M<sub>3</sub> strain).  
Vop. virus. 10 no.3:347-349 My-Je '65. (MIRA 18:7)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

UGOLEVA, N.A.; BUKRINSKAYA, A.G.; NOSACHEVA, A.D.

Nucleotide composition of ribonucleic acid in the Sendai virus  
(strain LM-1). Vop. med. khim. 10 no.5:550-552 S-O '64.  
(MIRA 18:11)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva..

UGOLEVA, S.V.

Adrenaline and adrenalinelike substances in the blood during adrenalins loading under normal conditions and in diencephalic pathology.

Probl. endok. i gorm. 6 no. 5:103-109 '60. (MIRA 14:1)  
(ADRENALINE) (DIENCEPHALON—DISEASES)

UGOLEVA, S. V., SHREYBER, G. L., KASSIL, G. N., VAYSFELD, I. L.,  
MATLINA, E. SH., and SOKOLINSKAYA, R. A. (USSR)

"Biochemical Mechanism of Physiological and Pathological Reactions  
of an Organism of the Introduction of Certain Hormone Preparations."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961

VAYSFELD, I.L.; UGOLEVA, S.V. (Moskva); KASSIL', G.N., prof.

Correlation between adrenaline and histamine in the blood in  
adrenaline load under normal conditions and in some forms of  
neural pathology. Pat. fiziol. i eksp. terap. 6 no.4:78-79

Jl-Ag '62.

(MIRA 17:8)

1. Iz laboratorii neyro-gumoral'noy regulyatsii (zav. - chlen-  
korrespondent AN SSSR prof. N.I. Grashchenkov) Instituta vysshey  
nervnoy deyatel'nosti (dir. - chlen-korrespondent AMN SSSR prof.  
V.S. Rusinov) AN SSSR.

KASSIL', G.N.; GEKHT, B.M.; SOLOV'YEVA, A.D.; UGOLEVA, S.V.

Insulin test in the clinical aspects of diencephalic pathology.  
Zhur. nevr. i psikh. 64 no.9:1327-1333 '64. (MIRA 17:12)

1. Laboratoriya neyro-gumoral'noy regulyatsii AN SSSR i  
laboratoriya klinicheskoy neyrofiziologii (zaveduyushchiy - prof.  
N.I. Grashchenkov) AMN SSSR, Moskva.

UGOLEVA, S.V.

Excretion of catechol amines with the urine in toxic goiter.  
Probl. endok. i gorm. 11 no.4:3-6 J1-Ag '65.

(MIRA 18:11)

1. Otdel endokrinologii (nauchnyy rukovoditel' deystvitel'nyy  
chlen AMN SSSR prof. V.G. Baranov) Instituta akusherstva i  
ginekologii (dir.- chlen-korrespondent AMN SSSR prof. M.A.  
Petrov-Maslov) AMN SSSR, Leningrad.



UGOLIK, Ivan Fomich; OSTROZETSER, Semen Grigor'yevich; OSTROZETSER, Boris Grigor'yevich [deceased]; DANILIN, A.S., kandidat tekhnicheskikh nauk, laureat Stalinskoy premii, redaktor; KRYZER, B.A., redaktor; GOLUBKOVA, L.A., tekhnicheskiiy redaktor

[Installation of flour mills] Montazh mel'nits. Pod red. A.S.Danilina. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam zagotovok, 1955.  
306 p. (MLRA 9:7)

(Flour mills)

UGOLIK, IVAN FOMICH

N/5  
741.94  
.U2

MONTAZH MEL'NITS (ASSEMBLING OF MILLING MACHINERY, BY) I. F. UGOLIK,  
S. G. OSTROZETSER (I) B. G. OSTROZETSER. MOSKVA, ZAGOTIZDAT, 1955.

306 p. DIAGRS., TABLES.

BIBLIOGRAPHY: p. 302-303.

WIERSZYLLOWSKI, J.; RUSEK, Z.; UGOLIK, M.

Water content, respiration intensity, and growth inhibition of  
English morello sour cherry flower buds during their rest period.  
Rocz nauk roln rosl 80 no.4:723-739 '60. (EEAI 9:11)

1. Katedra Sadownictwa Wyzszej Szkoły Rolniczej, Poznan  
(Poland--Cherry)

UGOLIK, Mikolaj

Inhibiting the growth of strawberry runners by using maleic acid  
hydrazide and butyl ester of 2,4,5-trichlorophenoxyacetone acid.  
Rocz nauk roln rosl 89 no.1:119-129 '64

1. Department of Pomology, Higher School of Agriculture, Poznan.

BARER, G.O.; BELETSKIY, V.Ya.; VORONKOV, P.I.; DEMIDOV, P.G.; DZYADZIO, A.M.;  
DOMBROVSKIY, G.D.; ZOLOTAREV, S.M.; KRAVCHENKO, I.K.; PLATONOV, P.N.;  
PANCH ENKO, A.V.; UGOLIK, N.F.

V. IA. Girshson. Muk.-elev. prom. 23 no.4:23 Ap '57. (MLRA 10:5)  
(Girshson, Vasilii Iakovlevich, 1880-1957)

UGOLIK, Nikolay Fomich; BARTASHEV, L.V.

[Organization of auxiliary economy of flour mills] Organizatsiia  
vspomogatel'nogo khoziaistva mukomol'nykh predpriatii. Moskva,  
Khleboizdat, 1959. 157 p. (MIRA 13:7)  
(Flour mills)

UGOLIK, Nikolay Fomich; BAVLI, G.S.

[Analysis of the economic activity of flour, groat, and feed mills] Analiz khoziaistvennoi deiatel'nosti mukomol'nykh, krupianykh i kombikormovykh predpriatii. Moskva, Khleboizdat, 1960. 87 p. (MIRA 14:4)

(Four mills)

(Feed mills)

UGOLIK, N.F.; MALYGINA, A.I.

Improvement of the State Control System of flour mills. Izv.vys.  
ucheb.zav.; pishch.tekh. no.1:3-7 '60. (MIRA 13:6)

1. Kafedra organizatsii i planirovaniy a predpriyatiy Odesskogo  
tekhnologicheskogo instituta imeni I.V. Stalina.  
(Flour mills)



BAGRIKOV, I.N., inzh.; POPOV, G. Ye., dotsent; UGOLIK, N.F., kand.tekhn.nauk,  
dotsent.

"Organization and planning of machinery plants" by E. G. Liberman  
Reviewed by I. N. Bagrikov, G.E. Popov, N. F. Ugolik. Vest. mash. 41  
no.6:83-84 Je '61. (MIRA 14:6)

1. Ivanovskiy energeticheskiy institut im. V. I. Lenina (for Bagrikov).
2. Odesskiy politekhnicheskiy institut (for Popov).
3. Odesskiy tekhnologicheskiy institut im. I. V. Stalina (for Ugolik).

(Machinery industry)  
(Liberman, E. G.)

UGOLIK, Nikolay Fomich; BAVLI, Georgiy Samoylovich; AVERINA, T.I.,  
red.; GOLUBKOVA, L.A., tekhn. red

[Analysis of technical standards and production operations  
of grain-processing enterprises] Analiz tekhnicheskogo  
urovnia i proizvodstvenno-khoziaistvennoi deiatel'nosti  
predpriatii po pererabotke zerna. Moskva, TSinti, 1963.  
209 p. (MIRA 17:2)

KOTLYER, I.Ya.; UGOL'KOV, A.O.; KRASNOSHLIK, M.G.

Operation of the Zhirnovsk Compressor Station. Gaz. prem.  
4 no.3:47-48 Mr '59. (MIRA 12:5)  
(Zhirnovsk--Gas, Natural--Pipelines)  
(Compressors)

KONFETOV, V.; KHITROV, A.; DOMRACHEV, B.; UGOL'KOV, K.; BOBROV, N.; RAZIN, V.

This leads to accidents, victims, courts. Za rul. 16 no.10:  
14-16 0 '58. (MIRA 12:1)

1. Reydovaya brigada zhurnala "Za Rulem" (for all).
2. Gosudarstvennaya avtomobil'naya inspektsiya i BD (for Konfetov, Khitrov).
3. Otdel regulirovaniya ulichnogo dvizheniya g. Moskvy (for Domrachev, Ugol'kov).
4. Korrespondenty zhurnala "Za rulem" (for Bobrov, Razin).

(Drinking and traffic accidents)

UGOL'NIK, Irina [Uhal'nik, Iryna]

It's good to be at the forefront. Rab. 1 sial. 39 no.9:5-6  
S '63. (MIRA 16:11)

USSR  
PEGANOV, F., avtomekhanik (Moskva); KAZARIN, I., inzh.;  
SEMIROV, Yu., inzh. (Bratsk); UGOL'NIKOV, A.; YAMAKOV, M.,  
Izobretatel' (Leningrad); ASTRAKHANTSEV, V., ratsionalizator;  
SHIPITSYN, V., master

Suggested, created, introduced. Izobr.i rats.no.10:20-21  
0 '62. (MIRA 15:9)

1. Bol'shaya Ivanovskaya manufaktura, g. Ivanovo (for Kazarin).
  2. Chlen soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov Moskovskogo pochtamta (for Ugol'nikov).
  3. Vyksunskiy metallurgicheskiy zavod, Gor'kovskaya oblast' (for Astrakhantsev). 4. Avtoremontnyy zavod, mekhanicheskiy uchastok, Krasnoyarsk (for Shipitsyn).
- (Technological innovations)

LEONOV, D., inzh. (Moskva); SLITKOV, Ye., inzh. (Moskva); BOCHKAREV, A.,  
slesar' (g. Yelabuga, Tatarskaya ASSR); ROMANOV, S., inzh.;  
UGOL'NIKOV, A.; YANITSKIY, G., uchitel' (Moskva); TASLITSKIY, M.;  
SADOVNIKOV, I. (g. Obninsk, Kaluzhskaya oblast')

Suggested, created, introduced. Izobr. i rats. no. 1:14-15 '63.  
(MIRA 16:3)

1. Institut "Orgtekhstroy", g. Odessa (for Romanov). 2. Moskovskiy  
pochtamt i chlen soveta Vsesoyuznogo obshchestva izobretateley i  
ratsionalizatorov (for Ugol'nikov). 3. Sotrudnik Gosudarstvennogo  
instituta po vnedreniyu peredovykh metodov rabot i truda v  
stroitel'stve Ministerstva stroitel'stva RSFSR, Moskva (for  
Taslitskiy).

(Technological innovations)

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 335 (USSR)

AUTHORS: Ugol'nikov, N.A., Kirska, V.S.

TITLE: Photocolorimetric Method of Determining Cobalt in Steels (Fotokolorimetricheskiy metod opredeleniya kobal'ta v stalyakh)

PERIODICAL: Tr. Tomskogo un-ta, 1957, Vol 145, pp 63-66

ABSTRACT: A photocolorimetric method of determining Co in steels containing 0.1-1.3% Co and up to 20% Ni, based on diantipyrylmethane (I) in the presence of  $\text{NH}_4\text{CNS}$ , has been developed. Determination is performed in 7-mm dishes with an orange light filter. Chloroform is the neutral solution used. The effect of Fe is eliminated by the introduction of NaF. The following, when present, do not inhibit the determination: Ni, Cr,  $\text{Mn}^{2+}$ , and  $\text{V}^{4+}$ . The following do inhibit:  $\text{Mo}^{4+}$ ,  $\text{Mo}^{6+}$ , and  $\text{V}^{5+}$ . 0.1-0.25 g steel is dissolved in  $\text{H}_2\text{SO}_4$  (1:2) and acidified by  $\text{HNO}_3$ . The solution is boiled and transferred to a 100-cc flask. An aliquot part (10 cc) is transferred to a separating funnel, 1.5 cc 20%  $\text{NH}_4\text{CNS}$  and Na F is added until the color changes to bright yellow, and 2 cc chloroform and 1 cc of I are shaken until the chloroform layer takes on a blue color. Colorimetry is performed after it has been allowed to stand. The relative error is 0.1-2.6%.

K.K.

Card 1/1      1. Cobalt - Determination      2. Colorimetry - Applications



GLUKHOVSKAYA, R.D.; UGOL'NIKOV, N.A.

Bomb for the decomposition of organic substances.  
Trudy TGU 145:173-175 '57. (MIRA 12:3)

1. Kafedra analiticheskoy khimii Tomskogo gosudarstvennogo  
universiteta imeni V.V. Kuybysheva.  
(Chemical apparatus)

SOV/137-58-10-21814

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 194 (USSR)

AUTHORS: Ugol'nikov, N. A., Ikonnikova, Z. P.

TITLE: Photocolorimetric Method for the Determination of Mercury  
(Fotokolorimetricheskii metod opredeleniya rtuti)

PERIODICAL: Dokl. 7-y Nauchn. konferentsii, posvyashch. 40-letiyu  
Velikoy Oktyabr'sk. sots. revolyutsii. Nr 2. Tomsk, Tomskiy  
un-t, 1957, p 180

ABSTRACT: A photocolorimetric method for the determination of micro-quantities of Hg with diphenylcarbazone is recommended. The relationship of the results to the acidity of the medium, the amount of the reagents, and the extraneous materials present in the solution is exposed. The optimum conditions are found for the photometric determination of Hg in various compounds.

1. Mercury---Determination
2. Colorimetry---Applications K. K.
3. Colorimetry---Materials

Card 1/1

GLUKHOVSKAYA, R.D.; UGOL'NIKOV, N.A.

New mixed indicator for mercurimetry. Izv.vys.ucheb.zav.; khim.i  
khim tekhn. 3 no.1:49-51 '60. (MIRA 13:6)

1. Kafedra analiticheskoy khimii Tomskogo gosudarstvennogo  
universiteta imeni V.V. Kuybysheva.  
(Indicators and test papers)  
(Mercurimetry)

OGOL'NIKOV, V.A.

Effect of thyroldin on the excitability of cholinergic receptors in the central nervous system. Probl. endok. i gorm. 11 no.5:98-100 S-0 '65. (MIR 19:1)

1. Kafedra farmakologii (zav. -- dotsent S.M. Tregubov) Grenburgskogo meditsinskogo instituta. Submitted November 16, 1964.